STAIRVILLE

Octagon Theater CW/WW 36x1W

LED PAR

thomann
MUSIC IS OUR PASSION

user manual

Musikhaus Thomann e.K.
Treppendorf 30
96138 Burgebrach
Germany
Telephone: +49 (0) 9546 9223-0
E-mail: info@thomann.de
Internet: www.thomann.de

14.10.2014, ID: 289076

Table of contents

1 General notes **4**

2 Safety instructions **7**

3 Features **11**

4 Installation **12**

5 Starting up **15**

6 Connections and operating elements **18**

7 Operating **21**

7.1 Starting up the device 21

7.2 Main menu 21

7.3 Menu overview 26

7.4 Functions im 5-channel DMX mode 27

8 Technical specifications **28**

9 Troubleshooting **29**

10 Protecting the environment **31**

1 General notes

This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to other users, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.

Warning signs	Type of danger
	Warning – suspended load.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used as an electronic illumination effect using LED technics. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.

WARNING!

Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.

NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

The Octagon Theatre CW / WW is suitable for use on theatre stages and in festival halls, as well as for live and touring routine. It offers an energy-saving alternative to halogen headlights.

Special features of this device:

- 18 × high power-LEDs, cold white (approx. 6400 K)
- 18 × high power-LEDs, warm white (approx. 2800 K)
- Colour temperature steplessly adjustable between 2800 … 6400 K
- 8 preprogrammed automatic shows
- Control via DMX (5 channels) and buttons and display on the unit
- Master / slave mode

4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

You can install the device on the wall, ceiling or floor. A mounting bracket and the necessary screws are included in the package.

WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

NOTICE!

Risk of overheating

Always ensure sufficient ventilation.

The ambient temperature must always be below 40 °C (104 °F).

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

DMX connections

The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for the pin assignment of a suitable XLR plug.

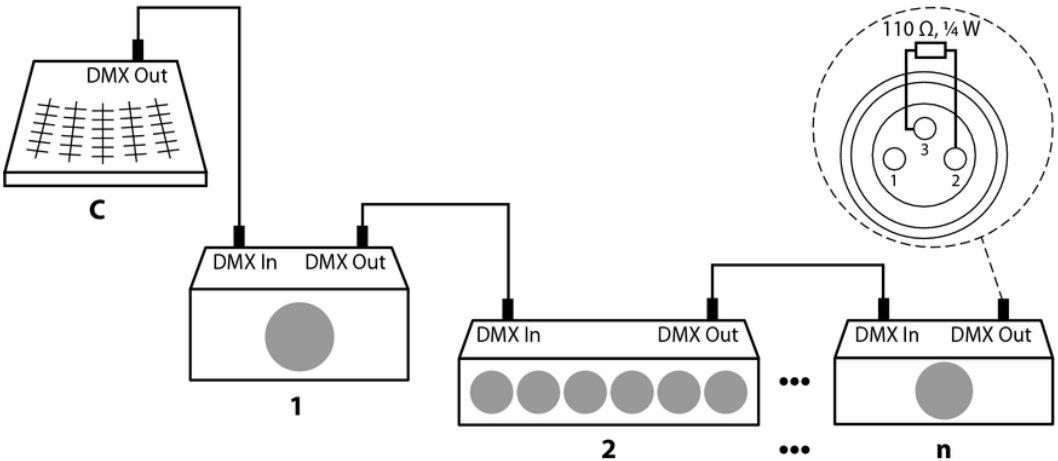
Pin	Configuration
1	Ground, shielding
2	Signal inverted (DMX–, 'cold signal')
3	Signal (DMX+, 'hot signal')

5 Starting up

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

Connections in DMX mode

Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor (110 Ω, ¼ W).

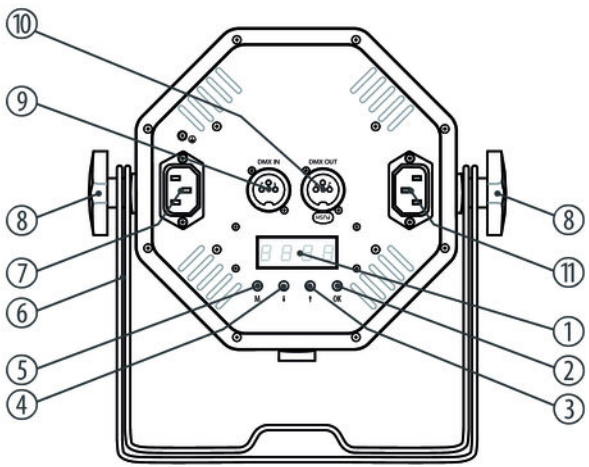


Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

6 Connections and operating elements

Rear panel



1	Display.
2	*[OK]* button Confirms a selected value.
3, 4	↑, ↓ buttons Increases or decreases the displayed value by one.
5	*[M]* button Activates the main menu or a submenu respectively.
6	Dual bracket for hanging or placement.
7	IEC chassis socket for the power supply cable to the next unit.
8	Locking screw for the bracket.
9	**DMX IN** DMX input.

10	**DMX OUT** DMX output.
11	IEC chassis plug for operating voltage supply.

7 Operating

7.1 Starting up the device

Connect the unit to the power grid to start the operation. The device is instantly operational and works in the last active mode with the last used settings.

7.2 Main menu

Menu control

Press *[M]* to open the main menu. Use the arrow keys to select the desired parameter or to change the respectively displayed value. When the display shows the desired parameter or value, press *[OK]* to enter the respective submenu or to confirm a new value. To return to the previous menu level, press *[M]* (see menu structure *Chapter 7.3 'Menu overview' on page 26*).

DMX address

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'DMX'*. Press *[OK]*. Now you can set the number of the first DMX channel to be used by the device (DMX address). Use the arrow keys to select a value between 1 and 512 (the display shows *'A001'* … *'A512'*).

When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

Make sure that this number matches the configuration of your DMX controller. The highest possible start address in 5-channel DMX mode is 508.

Manual test

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'TEST'*. Press *[OK]*. Press one of the arrow keys repeatedly until the display shows *'COLD'*, *'STRO'* or *'WARM'*. Press *[OK]*.

In this stand-alone mode, you can change the speed of the strobe effect in a range of 0 (no speed) to 24 (high speed) and the dimmer settings for cold or warm white (ranging from 0 to 255).

Operating mode 'Show/Master'

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'LINE'*. Press *[OK]*. Press one of the arrow keys repeatedly until the display shows *'MA'*. Press *[OK]*. Now you can select one of the 8 preprogrammed automatic shows. Use the arrow keys to select a value between 1 and 8 (the display shows *'P-01'* … *'P-08'*).

The automatic show can only be activated on the unit, that operates as Master.

This setting is only relevant if the unit is not controlled via DMX. The device can work in stand-alone mode or control connected devices of the same type, which must be configured as 'Slave'. When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

Operating mode 'Slave'

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'LINE'*. Press *[OK]*. Press one of the arrow keys repeatedly until the display shows *'SL'*. Press *[OK]*. Now you can assign the address of the device through which it is addressed as Slave by the Master. Use the arrow keys to select a value between 1 and 512 (the display shows *'A001'* … *'A512'*).

This setting is only relevant if the unit works as slave controlled by a master, but not via DMX. When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

Programme speed

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'SET'*. Press *[OK]*. Press one of the arrow keys repeatedly until the display shows *'SPEE'*. Press *[OK]*. Now you can set the programme speed for the preprogrammed automatic shows. Use the arrow keys to select a value between 1 and 255 (the display shows *'T001'* … *'T255'*).

This setting is only relevant if the unit is not controlled via DMX. When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

Strobe effect speed

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'SET'*. Press *[OK]*. Press one of the arrow keys repeatedly until the display shows *'STRO'*. Press *[OK]*. Now you can set the speed for the strobe effect. Use the arrow keys to select a value between 0 (no speed) and 24 (high speed) (the display shows *'S-00'* … *'S-24'*).

This setting is only relevant if the unit is not controlled via DMX. When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

Dimmer setting

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'SET'*. Press *[OK]*. Press one of the arrow keys repeatedly until the display shows *'DIMM'*. Press *[OK]*. Now you can adjust the dimmer setting. Use the arrow keys to select a value between 0 and 255 (the display shows *'D000'* … *'D255'*).

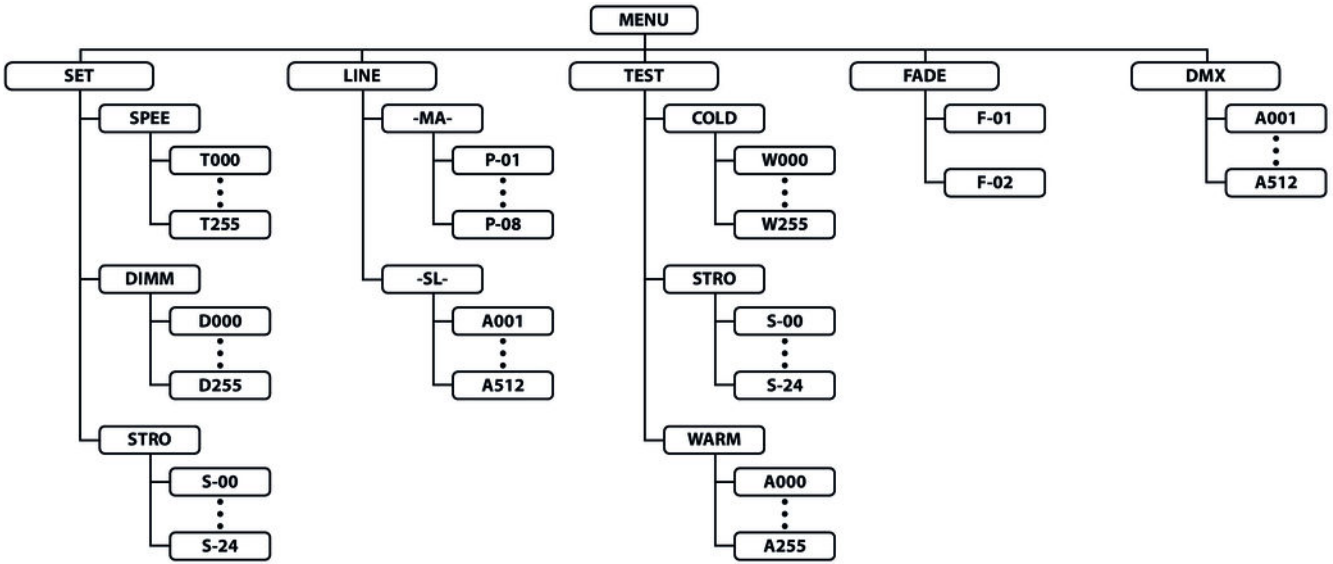
This setting is only relevant if the unit is not controlled via DMX. When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

Fade speed

Press *[M]*. Press one of the arrow keys repeatedly until the display shows *'FADE'*. Press *[OK]*. Now you can set the fade speed of the preprogrammed automatic shows. Use the arrow keys to select a value between 1 (fast) and 2 (slow) (the display shows *'F-01'* … *'F-02'*).

This setting is only relevant if the unit is not controlled via DMX. When the display shows the desired value, press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. Press *[M]* to return to the parent menu without any changes.

7.3 Menu overview



7.4 Functions im 5-channel DMX mode

Channel	Value	Function
1	0…255	Intensity cold white (0 % to 100 %)
2	0…255	Intensity warm white (0 % to 100 %)
3	0…15	No function
	16…255	Strobe effect in 24 steps, increasing speed
4	0…15	No function
	16…255	31 fixed colour mixings (macros)
5	0…255	Dimmer (0 % to 100 %)

8 Technical specifications

Illuminant	18 × 1 W LEDs, cold white (approx. 6400 K)
	18 × 1 W LEDs, warm white (approx. 2800 K)
Number of DMX channels	5
Dispersion angle	36 °
Operating supply voltage	AC 230 V ~ , 50 Hz
Power consumption	42 W
Dimensions (W × D × H)	301 mm × 248 mm × 215 mm
Weight	2.3 kg (incl. mains cable)

9 Troubleshooting

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
The unit does not work, no light.	Check the mains connection and the fuse.
No response to the DMX controller.	1. Check the DMX ports and cables for proper connection.
	2. Check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables that may cause damage or interference to DMX interface circuits.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at *www.thomann.de*.

10 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.